

Date: Wed, 22 Jun 94 19:03:07 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #694  
To: Info-Hams

Info-Hams Digest                      Wed, 22 Jun 94                      Volume 94 : Issue    694

Today's Topics:

Astron Power Supply  
Connections for Kenwood AT-50 Antenna Tuner?  
Dummy load as antenna? Yup!  
Gettysburg address  
IARU Contest Software??  
Lead Acid Storage Batteries  
Need info on clubs in Dallas area  
Nicad Batteries  
PACC DUTCH LOGGER  
Program of Central States VHF Conf.  
QRP clubs around the world?  
SUMMARY: YKITTGUHRW...  
Surplus store address Florida  
Transmission Line Impedance: Why so many? (4 msgs)  
Transmission Line Zin, hell! How about transistors?  
Two new mailing lists: arrl-exam-list and arrl-nediv-list

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 22 Jun 1994 19:27:28 GMT  
From: juniper.almaden.ibm.com!ibmboulder!ibmboulder!usenet@uunet.uu.net  
Subject: Astron Power Supply  
To: info-hams@ucsd.edu

Thanks to all who sent me email suggesting possible fixes to cure the  
Astron power supply problem.

I called Astron and they have a \$15 circuit board which does an automatic of the power supply when there is a power line glitch. They claim a simple 4 wire installation and the problem will be solved. So, it's on it's way to me and soon I will know it it really works!

Again, thanks to all who wrote to me  
Bob KA5GLX Houston Tx

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Date: 22 Jun 94 16:40:44  
From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!news.duke.edu!  
concert!ashe.cs.unc.edu!news\_server!gb@network.ucsd.edu  
Subject: Connections for Kenwood AT-50 Antenna Tuner?  
To: info-hams@ucsd.edu

Can someone tell me the function of the 2 control signals on the  
Kenwood AT-50 automatic antenna tuner? I see 5 lines labeled:

TS  
TT  
GND (ground)  
AGND (analog ground)  
14S (13.8V supply)

I want to know the function and appropriate levels for TS and TT. I'm  
trying to interface my own antenna tuner to my new TS-50 radio.

Thanks  
gb wa4fut

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Date: 22 Jun 1994 18:40:10 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!news1.oakland.edu!vela.acs.oakland.edu!  
prvalko@network.ucsd.edu  
Subject: Dummy load as antenna? Yup!  
To: info-hams@ucsd.edu

Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:  
: Ever wonder just how much RF a dummy load radiates?  
Nope...

: I was...  
<<< Large text deleted explaing how he worked a neighbor 800 feet  
away while transmitting into a Cantenna. >>>

: We've vowed to try it again at 1 watt or so, and this time I  
: want to try it into the Heathkit Antenna...

Hey Scott,

Try feeding that one watt into your antenna and working some DX!  
The idea is 1,000 MILES per watt... not a thousand FEET! :-)

73! =paul= wb8zjl M-QRP #899

p.s. I forwarded your message to the QRP newsgroup, I know they'll get  
a charge out of it too!

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Date: 22 Jun 1994 18:07:09 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
uhog.mit.edu!news.kei.com!eff!blanket.mitre.org!linus.mitre.org!  
newsflash.mitre.org!m14494-mac.mitre.org!user@network.  
Subject: Gettysburg address  
To: info-hams@ucsd.edu

"Four score and seven years ago, our forefathers wrought forth on this  
continent a new nation, conceived in liberty and dedicated to the  
proposition that all men are created equal..."

Oh, sorry, you meant the \*other\* Gettysburg Address...

: -)

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Date: 22 Jun 1994 19:00:17 GMT  
From: ihnp4.ucsd.edu!sdd.hp.com!spool.mu.edu!howland.reston.ans.net!cs.utexas.edu!  
utnut!torn!news.unb.ca!nbt.nbnet.nb.ca!mockler.nbnet.nb.ca!  
mockler@network.ucsd.edu  
Subject: IARU Contest Software??  
To: info-hams@ucsd.edu

What contesting software is available which supports the IARU contest  
in July? I need something fast. Thanks. de Rick (VE9HF).

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Date: 22 Jun 1994 18:40:12 GMT  
From: ihnp4.ucsd.edu!agate!kennish@network.ucsd.edu  
Subject: Lead Acid Storage Batteries

To: info-hams@ucsd.edu

In article <Pine.3.88.9406212222.A8410-01000000@julian.uwo.ca>, l.h. bol <lbol@julian.uwo.ca> wrote:  
>I have aquired some sealed lead acid cells (plastic pack containing 6  
>cells rated for 5AH) and am trying to figure out the proper charge  
>current for them. I don't want to over-charge them (or under charge)  
>  
>From what I can recall, the charge rate (I) is relative to the AH rating  
>of the cell(s) ??? Do you charge them with a voltage higher than the  
>voltage of the cell(s) ? I seem to have to do this to get them to draw  
>any current when I try to charge them.  
>  
>Can anyone steer me to the proper procedures or charger design theory.  
>  
>Yes, I suppose I could buy a cheap automotive type charger but I've got  
>all kinds of transformers and diodes etc. kicking around and would like  
>to try and use them up.  
>  
>Thanks in advance for any help you can offer.  
>

Lead-acid batteries are best charged constant voltage with a current limit equal to 0.3C. The voltage for cycle operation should be between 2.35 and 2.50V (reference 20C) with a -2.3 mV/C temperature coefficient.

For your case, you have 3 cells, so you want a constant voltage supply between 7.05 and 7.50V current limited to 1.5A peak.

Charging is completed, when the current drops to a small value, say 50 to 100 mA.

You don't want to leave it in that state too long, as that will cause water to electrolyze excessively. For float operation, drop the voltage to 2.25V/cell, or 6.75V. That should keep the battery from self-discharging.

If you environment is overtly hot or cold, adjust the voltage accordingly.

Good luck.

-Ken

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Date: Wed, 22 Jun 1994 18:01:51 GMT  
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!blwhite@network.ucsd.edu

Subject: Need info on clubs in Dallas area  
To: info-hams@ucsd.edu

I am new to the Dallas/Ft. Worth area and need to join a club or repeater organization. I'm specifically looking for autopatch privileges, preferably with a metro number so the coverage would be greater. Anyone know of such an organization?

Thanks a lot.  
Brandon AB5LV

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Date: 22 Jun 1994 17:00:38 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!uhog.mit.edu!news.kei.com!sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!news@network.ucsd.edu  
Subject: Nicad Batteries  
To: info-hams@ucsd.edu

> The battery case gets you though!. The case for my FT-415 costs  
> \$20. The off-the-shelf Nicads do come out ahead but not by quite  
> as much.

But, you don't throw away the case when the batteries get tired. Just charge the batts and use the same case over and over and over and...

73 de Jack, K9CUN

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Date: Wed, 22 Jun 1994 14:23:03 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!EU.net!relay.puug.pt!news.inesc.pt!animal.inescn.pt!ciup2.ncc.up.pt!news.ci.ua.pt!etjfonte@network.ucsd.edu  
Subject: PACC DUTCH LOGGER  
To: info-hams@ucsd.edu

Does anybody outhere (??? 8-} ) nows if there is any logger for the PACC Dutch contest , I like this contest and I'm plannig to do a software to log the QSO in contest .

PSE IF YOU NOW SOMETHING pleas tell me ...  
or via email or here on this newsgroup...  
TNX a lot for reading...  
best 73's and good DX

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Jose' Miguel M.B.Fonte	Aveiro University - PORTUGAL - EUROPE	
Box 108 - 4801 Guimaraes - PT.	Electronics and Telecommunications Dept.	
E-mail : etjfonte@ci.ua.pt	---	-----
PACKET : CT1ENQ@CT1EDY.CTAV.PRT.EU	Ham:CT1ENQ - Univer.Club: CT6ARU

Aquele que tem ideias e' forte mas aquele que tem ideais e' invencivel.

Jose' Warosky

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Date: 22 Jun 94 21:56:22 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Program of Central States VHF Conf.  
To: info-hams@ucsd.edu

The following program of the talks to be given at the Central States VHF Society Conference was sent me by Dave Meier, N4MW. Contact him for registration info if you are interested.

Bob w3otc@amsat.org

----- forwarded text -----

Here is the CSVHF conference Speakers list:

28th Annual Central States VHF Society Conference Schedule of Activities  
Memphis, Tennessee, July 28 30,1994

General VHF & EME Session and Slide Presentations, Joel Harrison WB5IGF  
The History of EME Francis Shephard, W7HAH  
EME on 1296 & 2304 MHz Peter Blair, G3LTF  
VE30NT Algonquin E.M.E. Expeditions, Peter Shilton VE3VD & Mike Owen W9IP  
PROPLQG Automatic Logging of Propagation, Bob Carpenter W30TC  
The History of VHF, Bill Tynan W3XO  
1296 Power Amplifier Notes, Meier N4MW  
Where Am I and What Time is it? (GPS Applications), Tom Clark W3IWI  
Practical Construction Hdp on Dish Antennas, Ray Rector WA4NJP  
Simple Yagi's How to Make 'em Cheap!, Kent Britian WASVJB  
Amsat Phase 3D, Tom Clark, W3IWI  
VHF Contesting Cuban American Style, Joe Lynch N6CL  
Azimuthal Equidistant Projection Map for Ham, Joseph Mack NA3T  
How to Win a Nobel Prize!

Last Years Chambers Award Winner Zeros in on his Next Goal, Dr. Paul Shuch  
N6TX  
Open Forum on VHF and Above Activity, Emil Pocock W3EP & Joe Lynch N6CL

73, Dave N4MW  
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Date: 22 Jun 94 08:09:47 EST  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!usenet.ins.cwru.edu!  
ns.mcs.kent.edu!kira.cc.uakron.edu!malgudi.oar.net!mercury.wright.edu!  
desire.wright.edu!nyoung@network.ucsd.edu  
Subject: QRP clubs around the world?  
To: info-hams@ucsd.edu

Perusing the little magazine \_SPRAT\_ published by the  
British QRP club, I noted that there is a QRP club in  
Spain. The question is: how many QRP clubs are there  
"out there," and to whom does one apply for membership.

Nils R. B. Young  
WB8IJN

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Date: 22 Jun 1994 17:56:59 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!news1.oakland.edu!  
vela.acs.oakland.edu!prvalko@network.ucsd.edu  
Subject: SUMMARY: YKITTGUHRW...  
To: info-hams@ucsd.edu

YOU KNOW IT'S TIME TO GIVE UP HAM RADIO WHEN

You're talking on the phone with a ham buddy, and you end the  
conversation and hang up the phone with a 'KD1HZ clear'.

You end a face-to-face conversation with "dit dit".

You spend 2 hours trying to crack a pile up on 20 meters to work a KJ2  
station who is portable on Manhattan Island.

When you say things like "QS0" and "73" in casual, face-to-face  
conversations.

You're having a Saturday breakfast and you say "call please" so  
that you can interrupt a conversation to ask someone to pass the salt.

You go shopping, get to the check-out, write a check, and sign it KE3H0.

You answer your phone, "QRZ?"

Your wife points out that all of your children were born during  
sunspot minimums.

You're talking on an EMS telemetry radio with a base hospital for medication orders and such, and sign out with your callsign

To get your ham buddies attention (who lives across the street), you yell 'CQ! CQ! CQ!' from your driveway

Your wife starts talking to you while you're on the phone, and you tell the person on the other end you're getting intermod

You've named your brand new German Shepherd puppy 'Radio Flyer' to combine two of your hobbies (this is true, this is my dog's name)

You're talking to somebody face-to-face in a busy place and you say, "Let's QSY my office," and they know exactly what you mean!

U find urself typing in cw shorthand to fellow wrkers on internal email (I hve found myself doing this too many times)

U tell people over the phone "I'm at my work QTH"

When the kids get names related to radio. I'm Robert F. Casey, that's RF, or radio frequency, or go further, radio frequency choke. :-)

Your 5-year-old son picks up your HT and says, "SQB monitoring!"

You'd rather send someone a packet radio message on the 2-meter band when you know damed well they also have a fully functional answering machine on their phone line! My wife loves that one!!

You are in your car, and see somebody you know walking down the street instead of going beep-beep and waving you pound out CQ on your car horn and wave.

Oh, no. I forgot about our cat, named "CQ", who would think it was dinnertime whenever I operated 20m SSB.

Somebody asks you over the telephone "can you hear me okay"? and you in return give them a signal report.

When you're boss starts babbling about something and you wish you had a VFO instead of this damn crystal on his frequency so you could tune off. :-) [just kidding Mike]

When you start taking posts on rec.radio.amateur.misc seriously.

You wonder why trains always send a "Q" before they pass a RR crossing.

You hear code in your sleep, you hear code in the air conditioner motor,



you hear code from the crickets outside (terrible chirp), you hear code emanating from the refrigerator motor, you hear code when someone beeps their horn in traffic

You use "Destinated" in a sentence.

You think it really matters if someone says 73's instead of 73.

You actually use the alarm clock function in your Handie-Talkie so that you can, "Wake up to your favorite net or repeater."

73! =paul= wb8zjl

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Date: Wed, 22 Jun 1994 19:41:30 GMT  
From: ihnp4.ucsd.edu!swrinde!emory!gatech!howland.reston.ans.net!spool.mu.edu!  
torn!watserv2.uwaterloo.ca!greenfly.watstar.uwaterloo.ca!SPIKE@network.ucsd.edu  
Subject: Surplus store address Florida  
To: info-hams@ucsd.edu

Would someone know the address / telephone number / FAX number of the  
supplis electronics store just west of I-4 and north of Colonial Dr. in  
Orlando, Florida?

73, de EDward Spike spike@eestaff.watstar.uwaterloo.ca  
\*  
\* AMATEUR RADIO: ve3tck@at.ve3uow.ampr.org  
\* or VE3TCK@VE3UOW.#SWON.ON.CA.NA  
\*- - - -/ IEEE Robot Olympics and MicroMouse Competition Committee  
\* micro-mouse@ieee.org or mouse@sunee.uwaterloo.ca  
\* E & CE Dept. University of Waterloo, Waterloo, Ontario,  
\* Canada, N2L3G1. (519)888-4567, X-3716, fax:(519)888-6197  
=====

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Date: 22 Jun 1994 17:05:41 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.msfc.nasa.gov!  
sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!  
news@network.ucsd.edu  
Subject: Transmission Line Impedance: Why so many?  
To: info-hams@ucsd.edu

> Well, where did 300 ohm come from?

It's approximately the input impedance of as folded dipole.

4 x 72 = 288

73 de Jack, K9CUN

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Date: 22 Jun 1994 17:03:11 GMT  
From: ihnp4.ucsd.edu!sdd.hp.com!spool.mu.edu!sol.ctr.columbia.edu!  
usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!news@network.ucsd.edu  
Subject: Transmission Line Impedance: Why so many?  
To: info-hams@ucsd.edu

> At least for coax, there are technical reasons. 75 ohm \*air line\*  
> (actually 76.708 ohms) has the lowest loss of any impedance coax.

But, doesn't some 50-Ohm line have lower loss at that some 75-Ohm line?

Jack

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Date: 22 Jun 1994 18:55:03 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!europa.eng.gtefsd.com!  
uhog.mit.edu!news.kei.com!ssd.intel.com!chnews!cmoore@network.ucsd.edu  
Subject: Transmission Line Impedance: Why so many?  
To: info-hams@ucsd.edu

Tom Bruhns (tomb@lsid.hp.com) wrote:  
: ...you will indeed find that net loss decreases with increased line  
: impedance...

I'll sing in that choir... speaking of which, does anybody know the  
precise specification for the matched-line loss per 100 ft at 30 MHz  
(for instance) for transmitting type 300 ohm and 450 ohm ladder-line?  
I've been estimating 0.4 and 0.2 dB respectively.

: Thanks for keeping me honest, Cecil! ;-) Cheers, Tom -- K7ITM

Unless I shut up, you're sure to get a chance to reciprocate 'cause  
once I thought I was mistaken, but I was mistaken. :-)

73, KG7BK, 00TC, CecilMoore@delphi.com

-----  
Date: Wed, 22 Jun 1994 06:20:31 +0000

From: ihnp4.ucsd.edu!swrinde!pipex!demon!llondel.demon.co.uk!dave@network.ucsd.edu  
Subject: Transmission Line Impedance: Why so many?  
To: info-hams@ucsd.edu

In article <2u5c0g\$9u9@taco.cc.ncsu.edu> samodena@csemail.cropsci.ncsu.edu (S. A. Modena) writes:

>Well, where did 300 ohm come from?...Early TV and nobody really  
>understood what was going on, but 300 ohms made the input stage  
>design easier and \*cheaper\* in the fledgling TV industry....that  
>needed as much voltage multiplication as it could get for notoriously  
>low gain, high noise, parasitically-oscillating front end triodes.

>

300 ohms is the impedance of a folded dipole - the sort of thing used in  
old FM tuners where you could make the dipole out of a piece of the  
feeder with a bit of thought.

Dave

--

\*\*\*\*\*  
\* G4WRW @ GB7WRW.#41.GBR.EU AX25 \*  
\* dave@llondel.demon.co.uk Internet \* Stop the World! I want to get off! \*  
\* g4wrw@g4wrw.ampr.org Amprnet \*  
\*\*\*\*\*

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Date: 22 Jun 1994 17:08:39 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!math.ohio-state.edu!  
sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!  
news@network.ucsd.edu  
Subject: Transmission Line Zin, hell! How about transistors?  
To: info-hams@ucsd.edu

If you think there are many different transmission line impedances, ponder  
this:

Why are there so many transistor types??

73 de Jack, K9CUN

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Date: Wed, 22 Jun 1994 19:33:30 GMT  
From: netcomsv!netcom.com!n1list@decwrl.dec.com  
Subject: Two new mailing lists: arrl-exam-list and arrl-nediv-list  
To: info-hams@ucsd.edu

## Announcing two new Ham-related mailing lists!

### arrl-exam-list:

This list is a bi-monthly listing of amateur radio license examinations scheduled in the US and in some foreign areas. While the list is not a complete list of every scheduled test, it is a list of those tests that we have been made aware of from ARRL/VEC-coordinated VE teams and teams from other VECs.

### arrl-nediv-list:

This is a bi-monthly information bulletin prepared by the ARRL Division Director, Bill Burden WB1BRE for immediate distribution to individuals, clubs, Bulletin Managers, and other interested parties in New England. While some material will be of national interest, the intent is to report on issues and activities of interest to Amateur operators in the New England Division. Newsletter editors are encouraged to reprint any or all of the bulletin material and Bulletin Managers and NCS are encouraged to distribute the bulletin material.

These two lists join the other ham radio related lists maintained here at Netcom:

barc-list:	Information, discussion and announcements for the Boston Amateur Radio Club and hams in Eastern Massachusetts.
wlaw-list:	ARRL bulletins, news, and information
newsline-list:	Redistribution of Amateur Radio Newsline
letter-list:	Redistribution of the ARRL Letter
barc-races:	RACES in Massachusetts and emergency management
fox-list:	Fox hunting and Radio Direction Finding
ky1n-list:	VE exams in New England
fieldorg-l:	ARRL field organization discussions
ham-tech:	Technical discussions and questions about Amateur Radio

These lists are automatically maintained by Majordomo. To sign up or inquire about these lists, send mail to [listserv@netcom.com](mailto:listserv@netcom.com) with the following in the body (subject is ignored) of the message. <listname> is the name of the list to subscribe to.

To subscribe: subscribe <listname>

To unsubscribe: unsubscribe <listname>

For more information: help

To post (to the two-way lists), send your message to <listname>@netcom.com

Mail should be sent to [listserv@netcom.com](mailto:listserv@netcom.com), not [listserv@world.std.com](mailto:listserv@world.std.com).

Please keep your mailing address up to date. If your account is being changed or shut down, please update majordomo.

These lists are sponsored by the Boston Amateur Radio Club.  
If you have any questions, I can be reached at [n1list@netcom.com](mailto:n1list@netcom.com)  
For more information on the Boston ARC, subscribe to [barc-list](mailto:barc-list)

73,

Michael L. Ardai N1IST

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\\|/      Michael L. Ardai      N1IST      Teradyne ATB, Boston MA

-\*- -----

/|\\      [ardai@maven.dnet.teradyne.com](mailto:ardai@maven.dnet.teradyne.com)      [n1list@netcom.com](mailto:n1list@netcom.com)

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End of Info-Hams Digest V94 #694

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